

NRT/KS/19/2177

Bachelor of Science (B.Sc.) Semester—VI Examination

ELEMENTS OF REMOTE SENSING AND ENVIRONMENTAL GEOLOGY

Optional Paper—1

(Geology)

Time : Three Hours]

[Maximum Marks : 50

N.B. :— (1) **ALL** questions are compulsory and carry equal marks.

(2) Draw neat sketches wherever necessary.

1. (a) What is remote sensing ? Give an account of applications of remote sensing in geology.

OR

(b) Describe with neat sketches pocket stereoscope and mirror stereoscope.

2. (a) Describe various guidelines used for structural interpretation of aerial photographs.

OR

(b) Describe various guidelines used for geomorphic interpretation of aerial photographs.

3. (a) Describe any two concepts of Environmental geology.

OR

(b) Give an account of Coastal erosion and desertification.

4. (a) What is ecosystem ? Give an account of various properties of ecosystem and add a note on types of ecosystem.

OR

(b) Give an account of biosphere with respect to abiotic and biotic components.

5. Write on the following in not more than **two** sentences (solve any **ten**) :

- (a) Satellite imagery
- (b) Overlap
- (c) FCC
- (d) Tone of aerial photographs
- (e) Texture of aerial photographs
- (f) Name any two photographic expressions of fold
- (g) Soil pollution
- (h) Black cotton soil
- (i) Seismograph
- (j) Troposphere
- (k) Ozonosphere
- (l) Anti pollution measures.